

CLAIMS

1. The use of lithium glycerophosphate in a treatment of structures comprising a cement-based product and steel rebars as agent making it possible to inhibit rebar corrosion and degradation of the product due to alkali reactions and to the presence of alkalis and sulfates.

2. A method of treating a cement-based structure having steel rebars, making it possible to inhibit rebar corrosion and degradation due to alkali reactions and to the presence of alkalis and sulfates in the structure, which comprises the following step:

- a composition containing lithium glycerophosphate is brought onto the structure or into the structure.

3. The treatment method as claimed in claim 2 and intended for treating a structure made from a cement-based product, which comprises the following step:

- the structure is impregnated with a composition containing lithium glycerophosphate.

4. The method as claimed in claim 3, wherein the composition is an aqueous solution.

5. The method as claimed in claim 3, wherein the structure is impregnated with the composition by applying it to its surface.

6. The method as claimed in claim 3, wherein the amount of lithium glycerophosphate applied is from 0.003 to 3 mol/m<sup>2</sup>.

7. The method as claimed in claim 3, wherein the composition is applied using a brush, a roller or a spray device.

5 8. The treatment method as claimed in claim 2 and intended to inhibit the corrosion on steel rebars of a structure which are exposed to the open air, which comprises the following step:

10 - the rebars are covered with a paint containing lithium glycerophosphate.

9. The method as claimed in claim 8, wherein the paint is an aqueous-based paint.

15 10. The treatment method as claimed in claim 2 and intended for treating a cement-based paste intended for immobilizing steel rebars in order to form a structure, which comprises the following step:

20 - a composition containing lithium glycerophosphate is incorporated into the not-yet solidified paste of cement-based product.

25 11. The method as claimed in claim 10, wherein between 0.001% and 1% lithium glycerophosphate is incorporated into the paste.

12. The method as claimed in claim 10, wherein the composition is an aqueous solution.

30 13. A structure based on cement having steel rebars, obtained by the method as claimed in claim 2.